HMI ELEMENTS™
REFINED STRENGTH

THE 1301-Z1

19 INCH ZONE 1 HUMAN-MACHINE INTERFACE

Show-stopping design meets rugged reliability in this revolutionary 19" machine, built to survive the harsh challenges of Zone 1 environments.

Crafted from a single piece of aluminium and IP66-rated on all sides, the 1301-Z1 is a stand-alone PC and ready for seamless integration into hazardous locations, delivering unmatched durability and reliable performance in the toughest conditions.



GLOBALLY CERTIFIED

Certified to ATEX, IECEx, NEC505 (AEx)
CEC CSA 22.2 Section 18

LIGHT & SLIM

Weighing in at just 25.5kg (56.2lbs), the 1301-Z1 is 145mm (5.7") thin and is able to be carried by just 1 person.

CRISP & BRIGHT DISPLAY

A high-bright 1000nits display, viewable in direct sunlight.

SUPER-FAST PROCESSOR

The intel core i7 processor works 100% from -40°C to +60°C

PRECISION ENGINEERED

Machined from a single piece of aluminium, this is craftsmanship at its finest.

CERTIFICATION	ATEX, UKEX, IECEx, NEC 505 & CEC
CERTIFICATES	CML 19ATEX1320X, CML 21UKEX1069X, IECEx CML 19.0096X, QPS LR1377-4
TYPICAL EX CODE	**ATEX :** II2 (2) GD, : Ex db eb mb op is [ib] IIC T4 Gb : Ex tb op is [ib] IIIC T90°C Db **IECEx :** Ex db eb mb op is [ib] IIC T4 Gb, : Ex tb op is [ib] IIIC T90°C Db **USA :** Class I, Zone 1, AEx db eb mb op is [ib] IIC T4 Gb : Class II, Zone 21, AEx tb op is [ib] IIIC T90°C Db **Canada :** Ex db ib mb op is [ib] IIC T4 Gb : Ex tb op is [ib] IIIC T90°C Db
POWER SUPPLY	100-240Vac, 50-60 Hz, 1.3A Universal Input
OPERATING TEMPERTURE	40°C to +60°C (-40°F to 140°F) 40°C to +55°C (-40°F to 131°F) with Media converter fitted
HUMIDITY	Operating 10 to 90 % non-condensing
WEIGHT	25.5kg (56.2lbs) excluding connectors, cables and accessories
SIZE	Metric : 429.5mm x 424.5mm x 145mm (W x H x D) Imperial : 16.94" x 16.7" x 5.7" (W x H x D)
MATERIAL	Enclosure - Aluminium Alloy, Hard anodised, Natural finish External fittings and Accessories - SSt or ALU"
INGRESS PROTECTION	IP66 / Designed to meet NEMA 4X
OPTIONAL INTERFACES	All interfaces are optional – USB, Ethernet (copper or fibre), serial, horn
PROCESSOR/MEMORY	Processor : Intel Core i7, 6th Gen Skylake 6600U Intel Core i7, 7th Gen Kabylake 7600U Memory : 8Gb to 32Gb, DDR4 - 2133Mhz
OPERATING SYSTEM	Windows 11 IoT Enterprise LTSC, Windows 10 IoT Enterprise LTSC Linux ready, customer installed and supported.
DISPLAY	Size Aspect Ratio : 19", 5:4 Resolution : SXGA 1280 x 1024 Colour : 24 bit Sunlight readable, High bright 1000 Nit Antiglare treated face glass IR hot mirror incorporated
TOUCHSCREEN	Projected Capacitive. Tuned for Water rejection and gloved hand operation.
DIAGNOSTICS	LED Diagnostic front panel Indicators.
FRONT PANEL CONTROLS	Screen Brightness and switch legend brightness, Radio Silence Mode Touch Screen Disable Mode, Standby Mode
OPTIONS	Wireless (IS) : Wi-Fi - IEEE 802.11 ac/a/ b/ g/n/ 2.4G hz & 5G Hz. Xbee 802.15.4. Microhard IPn920 - 900Mhz. Bluetooth Fibre (OP IS) : 1310nm, 850nm. Remote interogation and on board Diagnostics

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Design and specifications subject to change without notice. Errors and omission excepted.

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